

Converting Colors

XYZ(15.1565, 6.4458, 62.5014)

Have a look what the booklet for
XYZ(15.1565, 6.4458, 62.5014)
contains.

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Color

**XYZ(15.1919, 6.4589,
62.7334)**

Conversions

Conversions Part 1

Format	Color
Hex	5000D4
RGB	80, 0, 212
RGB Percent	31%, 0%, 83%
CMY	0.6862, 1.0000, 0.1686
CMYK	0.62, 1.00, 0.00, 0.17
HSL	263°, 100%, 42%
HSV	263°, 100%, 83%
XYZ	15.1919, 6.4589, 62.7334
YIQ	48.0880, -20.3720, 82.8920

Conversions

Conversions Part 2

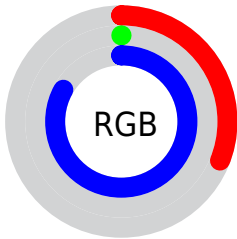
Format	Color
R _Y B	80, 0, 212
Decimal	5243092
CIE Lab	30.54, 70.74, -86.18
CIE LCh	31, 111.491, 309.380
Yxy	6.4589, 0.1800, 0.0765
Android (android.graphics.Color)	4283433172 (0xFF5000D4)
YUV	48.0880, 80.8086, 27.9868
Hunter-Lab	25.4144, 62.2265, -128.5627

Details

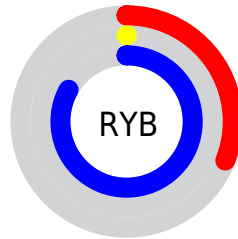
The XYZ color **15.1919, 6.4589, 62.7334** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **33.0583, 51.9922, 8.2931**, and the grayscale version is **2.7362, 2.8787, 3.1350**.

A 20% lighter version of the original color is **32.1573, 17.8375, 96.3558**, and **6.0008, 2.4003, 31.5995** is the 20% darker color. If you saturate the color by 10%, you get **15.1926, 6.4593, 62.7337**, and if you desaturate by 10%, it is **16.6907, 7.6351, 62.8817**.

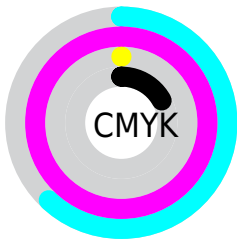
Distribution



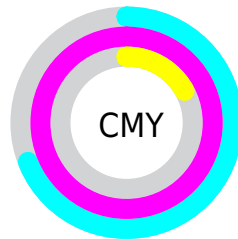
- Red (31%)
- Green (0%)
- Blue (83%)



- Red (31%)
- Yellow (0%)
- Blue (83%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)





- Cyan (69%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1919, 6.4589, 62.7334 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 15.1919, 6.4589, 62.7334 by changing the saturation by 10% instead.


 15.1919, 6.4589,
62.7334


 15.1919, 6.4589,
62.7334


217.8902,
163.0887, 452.6826

 9.0414, 3.1261,
45.1860


 34.7584, 18.8761,
110.3667


 4.8255, 1.1979,
31.2599


 48.9050, 28.7292,
141.2895


 2.1789, 0.0600,
20.5367


 66.4478, 41.5246,
177.5080

 0.7316, 0.0000,
12.5978

 87.7520, 57.6466,
219.4405

 0.0000, 0.0000,
7.0248

 113.1829, 77.4796,
267.5057

 0.0000, 0.0000,
3.3989


 143.1061,

 0.0000, 0.0000,


101.4080, 322.1221


1.3018


 177.8867,
129.8163, 383.7082

 0.0000, 0.0000,
0.0632


 0.0000, 0.0000,
0.0000


 15.1919, 6.4589,
62.7334

 15.1919, 6.4589,
62.7334

 15.1926, 6.4593,
62.7337

 16.6907, 7.6351,
62.8817

 18.7181, 9.5270,
63.1400

 21.3857, 12.3402,
63.5424

 24.7585, 16.1897,
64.1076

■ 28.8925, 21.1729,
64.8516

■ 33.8373, 27.3757,
65.7883

■ 39.6382, 34.8753,
66.9301

■ 46.3367, 43.7426,
68.2886

■ 53.9714, 54.0430,
69.8744

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7.9629, 6.4589, 93.7146



15.1919, 6.4589, 62.7334



21.5654, 6.4589, 23.2303

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.1919, 6.4589, 62.7334



10.4950, 6.4589, 0.0000



0.5284, 6.4589, 12.9739

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.1919, 6.4589, 62.7334



33.0583, 51.9922, 8.2931

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0.6664, 6.4589, 0.9365



15.1919, 6.4589, 62.7334



4.6173, 6.4589, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.1919, 6.4589, 62.7334



17.9355, 6.4589, 0.0000



1.6657, 6.4589, 0.0000



1.1395, 6.4589, 46.8429

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.1919, 6.4589, 62.7334



23.1149, 6.4589, 7.3544



1.6657, 6.4589, 0.0000



0.4922, 6.4589, 6.7204

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.1926, 6.4593, 62.7337



59.9058, 52.5789, 101.5991



20.4458, 21.8776, 65.4328



11.9878, 10.1681, 21.5808



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.1926, 6.4593, 62.7337



22.8986, 9.7195, 95.2769



31.5871, 14.9110, 63.5009



12.1811, 12.2347, 15.6570



9.4819, 4.0406, 38.7333



0.6624, 0.2904, 2.3404

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.3159, 15.6629, 23.2002



47.4777, 23.7551, 34.7772



24.0298, 47.3378, 7.8706



12.7451, 12.5495, 14.5978



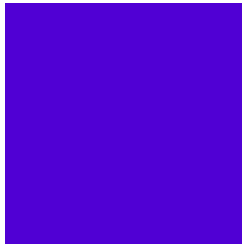
19.3829, 9.6895, 14.5862



1.2087, 0.6003, 1.0885

Previews

White Background



This preview shows how the XYZ color 15.1919, 6.4589, 62.7334 looks on a white background.

Color Contrast Check

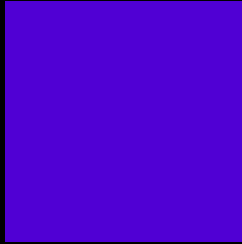
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 15.1919, 6.4589, 62.7334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

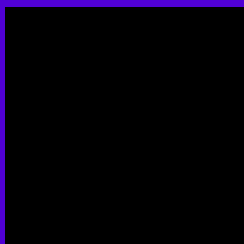
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1919, 6.4589, 62.7334

Background



This preview shows how black text looks on a background with the XYZ color 15.1919, 6.4589, 62.7334.



This preview shows how white text looks on a background with the XYZ color 15.1919, 6.4589,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.1919, 6.4589, 62.7334

Deuteranopia

6.4152, 6.7012, 21.0340

Tritanopia

4.7787, 6.7392, 10.2814

Trichromacy



Original Color

15.1919, 6.4589, 62.7334

Deuteranomaly

7.7352, 4.8437, 32.8750

Tritanomaly

5.9683, 4.4106, 22.7271

Monochromacy



Original Color

15.1919, 6.4589, 62.7334

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

5.0602, 3.0233, 14.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1919, 6.4589, 62.7334 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(80, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 15.1919, 6.4589, 62.7334 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 0, 212) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(80, 0, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(80, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(80, 0, 212)  
}
```


Background

The CSS property to change the background color of an element to XYZ 15.1919, 6.4589, 62.7334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 0,  
212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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